


Ritter R400 Smart.
Economic individuality.

Ritter[®]
[THE DENTAL EXPERTS]



 Ritter
Made in Germany



Ritter R400 Smart. Has everything you really need.

With the Ritter R400 Smart, economy and user-friendliness meet aesthetics and individuality. The Ritter R400 Smart improves the workflow in the dental practice with simple and practical solutions.

Simply smart.

The Ritter R400 Smart is not only the optimal unit for prophylaxis, but also the compact favourite for every modern practice and every application.

As far as design is concerned, the Ritter R400 Smart impresses with precious glass elements in fresh colours, which can also be designed entirely according to your wishes.

Quality – made in Germany.

Anyone who works with a „Ritter“ is well equipped for the tough everyday practice.

The solid and well thought-out workmanship is based on our many years of experience. Ritter dental units are reliable, robust and durable. We use only the highest quality materials. The R400 Smart is mainly made of metal and painted throughout. The high-quality construction and workmanship of Ritter dental units is a lifetime commitment for us. Installation, service and maintenance are very easy thanks to easy access and cleverly arranged components.

Ritter R400 Smart. Shapely and ergonomic.

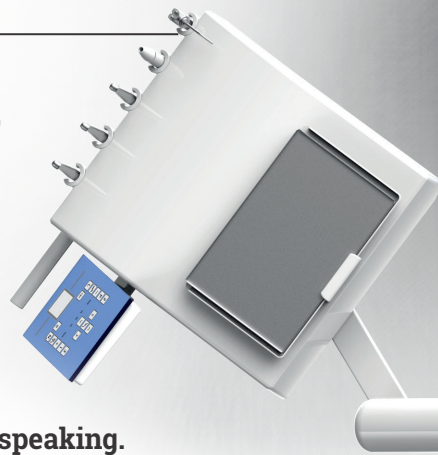


The R400 Smart can be briefly described with these characteristics. And yet the small, compact unit is so versatile that it fully meets your dental needs.

Simple, practical, reliable.

Parallelogram. The best - ergonomically speaking.

- Efficient simultaneous movement (Trendelenburg) of backrest and seat
- Optimum, safe and comfortable positioning, even in extreme treatment situations
- Powerful, smooth running drive motors for seat and backrest
- Smooth and easy to disinfect surfaces
- Seamless surfaces, also available in ViscoSoft (similar to Tempur®) material
- Flexible control via foot pedal and function displays
- 3 automatic chair positions
- Flushing position / last position
- Safety switch: backrest, lowest position, assistant element
- Optional right armrest, can be swivelled downwards



Set accents. Offer comfort.

- Vegan upholstery cover
- Breathable comfort upholstery
- Silk matt, seamless surfaces
- Practical, easy to clean and maintain
- Warm feel and velvety look convey cleanliness and freshness - without the feeling of „sticking“





Work routes.

The Ritter R400 Smart is an efficient workplace in which the work and handling fit 100%.

Radius of action.

Perfect for particularly small practice rooms. With its small radius of action, the compact dental unit adapts to any room situation. The working area luminaires are available as ceiling or unit models.

Headrest with double joints. Relaxed patients - relaxed work.

- Fast and easy positioning
- Comfortable positioning of the patient's head in every situation
- Optimal for children and elderly patients
- Movable, double articulating headrest



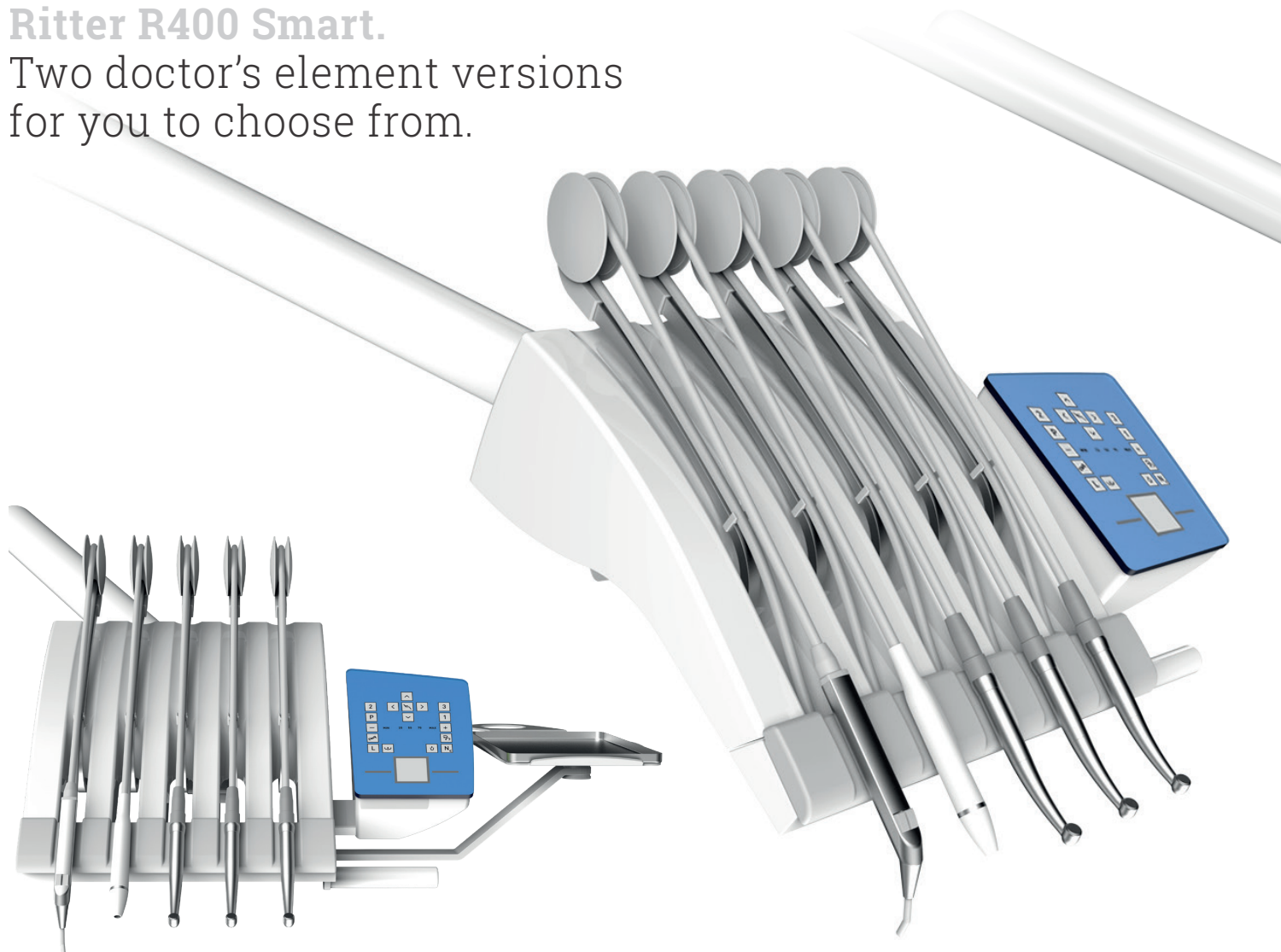
Multifunctional foot control. Comfortable and time-saving.

- Most ergonomic foot control on the market
- Foot remains relaxed on the ground thanks to photocell
- Infinitely variable speed regulation of the instruments
- Easy triggering of all chair and instrument functions



Ritter R400 Smart.

Two doctor's element versions
for you to choose from.



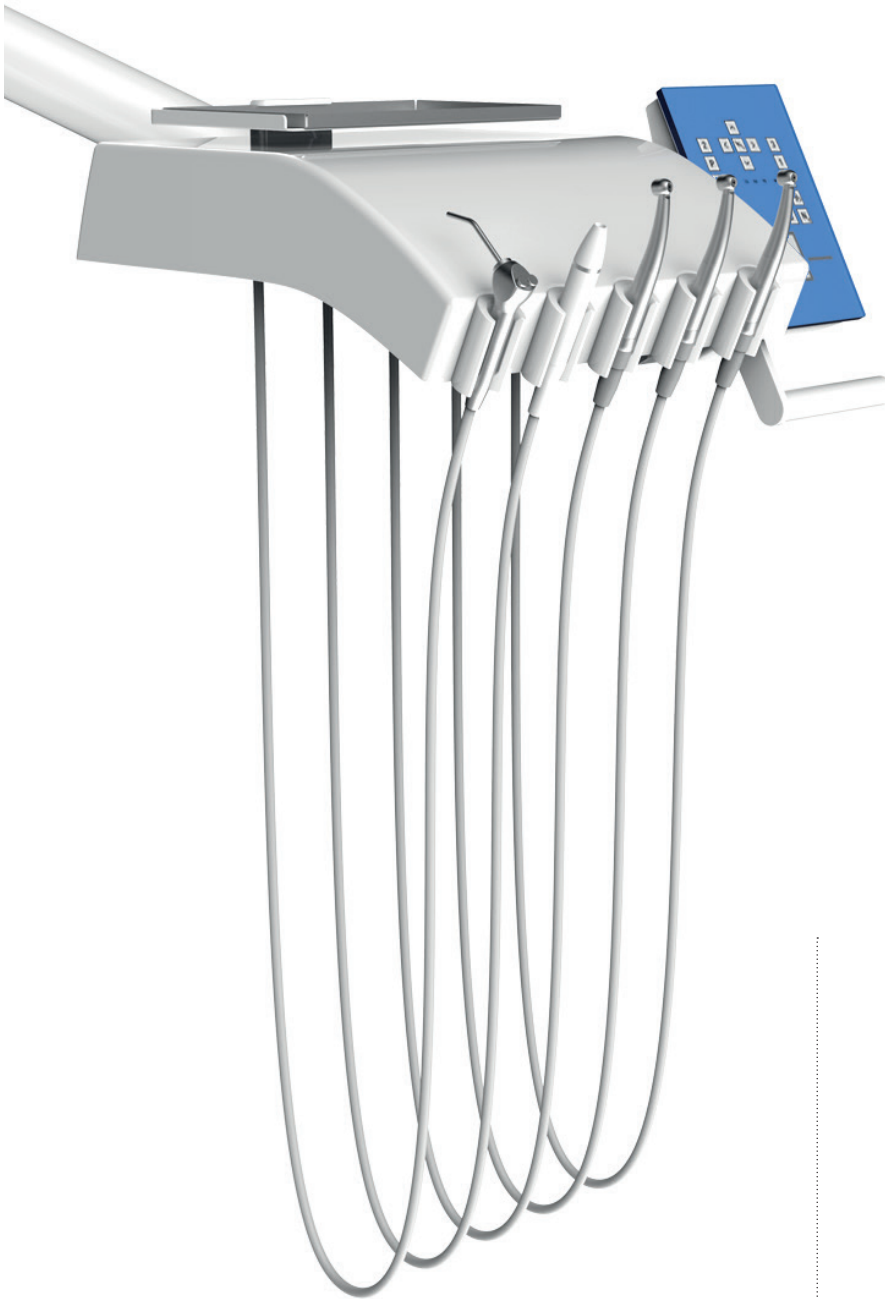
Depending on personal preference, two different variants are available, which allow easy adjustment of the instrument actions, partly with visual indication of the performance potential.

This is what Ritter R400 Smart stands for:
Simplest handling - efficient, error-free work.

Simplest Handling.

„S“ Version. Swinging hoses.

- Storage of instruments without visual contact
- Optimal treatment in all positions (if necessary without assistant)
- Very good guidance when removing and putting back the instruments
- No „pull-back effect“ during treatment due to optimum weight shift between the instrument being pulled and the tube system
- Pleasant working without complaints
- 5 Instrument holder



**„H“ Version.
Hanging hoses.**

- Convenient removal and return of the instruments
- Perfect treatment in all positions
- Continuously perfect ergonomics
- 5 Instrument holder



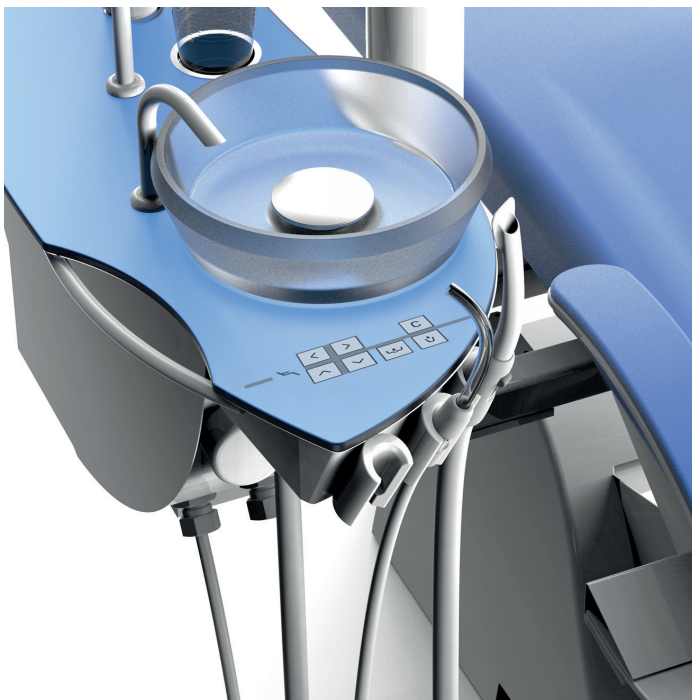
Motor technology.

- Brushless micromotors - the newest generation
- Precise, durable, wear-free, sterilizable
- Great speed range up to 40.000 rpm - new versatility
- Optimum balance of instrument and motor





Ritter R400 Smart.
Speed and flexibility.
The assistant element.



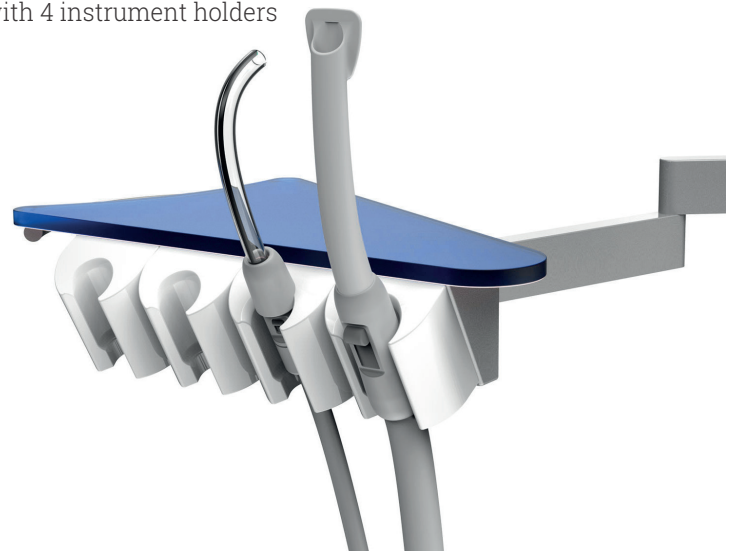
Optimize your workflow. Whether standing, sitting, at 12 o'clock... the freely positionable assistance element is there to help you in any situation.

A perfect teamwork.



**Assistant element.
A full workspace.**

- Flexibility and efficiency
- Quick instrument change
- Up to 3 instrument holders
- Control-buttons for water glass, spittoon-bowl and patient chair
- Standard: 2 cannulas
- Option: extendable assistant element with 4 instrument holders





Safety for users and patients.
Hygiene made easy.



The Ritter R400 Smart has been designed for quick and effective cleaning.

All critical areas and components are within easy reach and can be thoroughly disinfected. The surfaces are smooth and even to prevent dirt zones and accumulations of germs and bacteria. Many components can be removed in one easy step.

Optimum hygiene and maintenance.

The spittoon - pure aesthetics.

- Removable & autoclavable
- Bowl & water unit chair mounted, thus synchronous up/down movement with the patient chair
- Comfort & effectiveness down to the smallest detail

The Ritter R400 Smart water unit.

- Chair mounted water unit
- Complete water unit can be swivelled
- Aqua bottle system or automatic disinfection system
- Ritter selective controller for suction hoses (option)
- Integrable amalgam separation & separation (option)
- Easy solutions - perfect efficiency & processes
- Cover made of glass
- Easy to clean and disinfect



Ritter R400 Smart. Focus on quality.



With good equipment, a long working day is mastered comfortably. Ergonomic seating and precise illumination of your patient are the essential conditions for this.

Ergonomically correct. That's important!

The operator's stool for dentists. GIRA-FLEX D & D-PLUS

- For the highest ergonomic requirements
- Axis saddle chair 5° tilt
- Seat core with PUR foam element
- High-quality, resistant leather seats
- D-PLUS with height adjustable backrest





**CoolLite.
LED operating light.
Best illumination where it is needed.**

- 3.000 - 35.000 lx
- Shadow-reducing effect
- Removeable, sterilizable handles
- Realistic color match
- Colour temperature 5.000 K

**The operator's stool for the assistant.
GIRA-FLEX A & A-PLUS**

- For the highest ergonomic requirements
- Seat core with PUR foam element
- High-quality, resistant leather seats
- A-PLUS with height adjustable backrest

**The operator's stool for dentist and assistant.
Mobilorest 156**

- Very high grade metal components
- Intelligent and easy height adjustment by soft foot touch
- High quality dual castors
- Asymmetrical backrest with additional armrest function





Ritter R400 Smart. Each unit - unique.

Set accents and turn a practice into your very own individual practice. With the R400 Smart individualization options you can show your style, structure your treatment rooms and put the icing on the cake in interior design.

Ask your dental consultant about Ritter decors and production specifications for your own motif or practice logo.

Your R400 Smart.

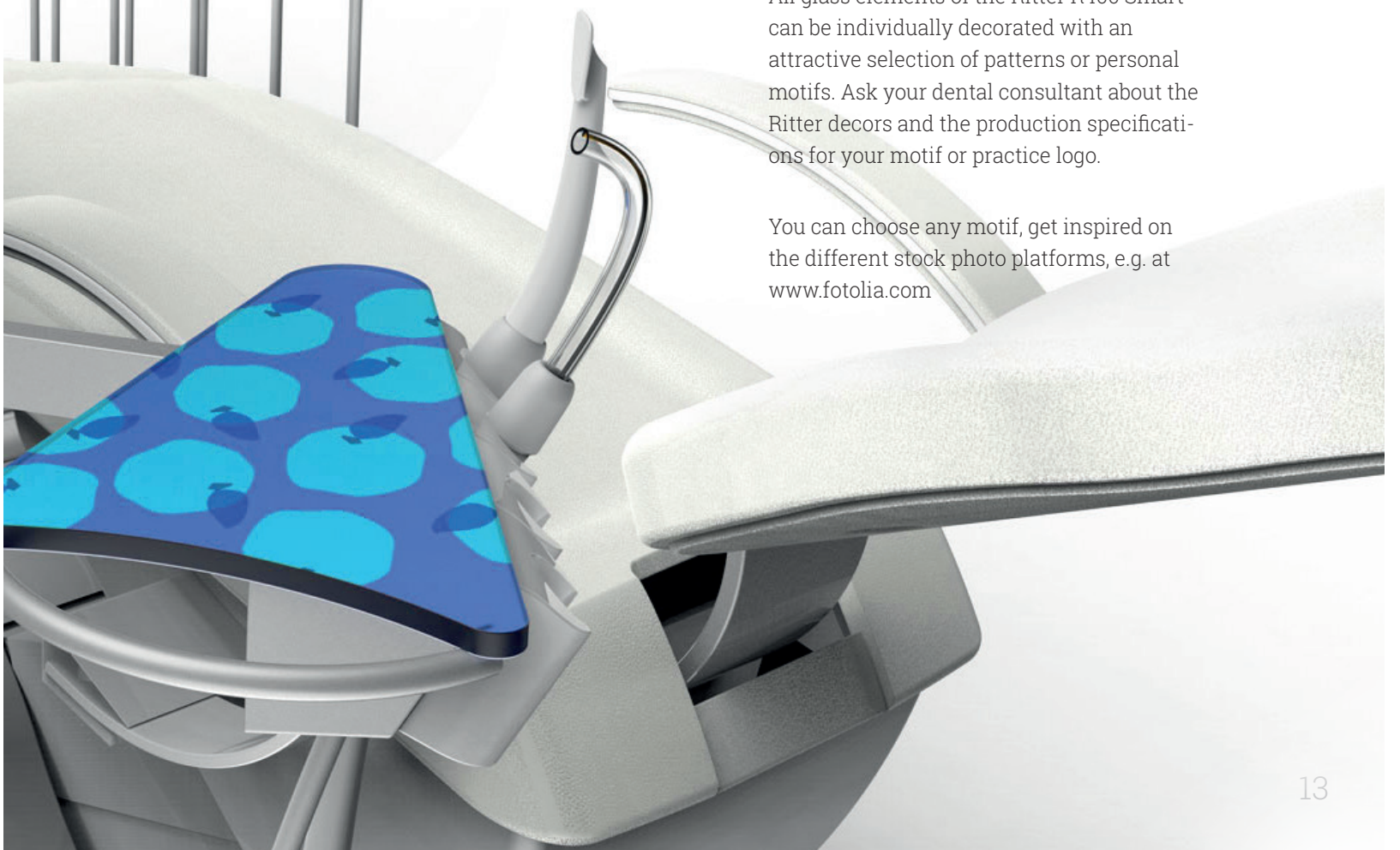
Which Unit Style fits into your practice?

The base coating of the entire unit is signal white in RAL 9003. Now your wishes and ideas are added. All glass surfaces of the R400 Smart can be individually designed.

Ritter R400 Smart Styling:

- Precious glass elements
- Integrated displays
- Expressive colours
- Colour matching of glass elements and upholstery
- Coherent, individual overall concept





**Your new workspace style -
as individual as you are.**

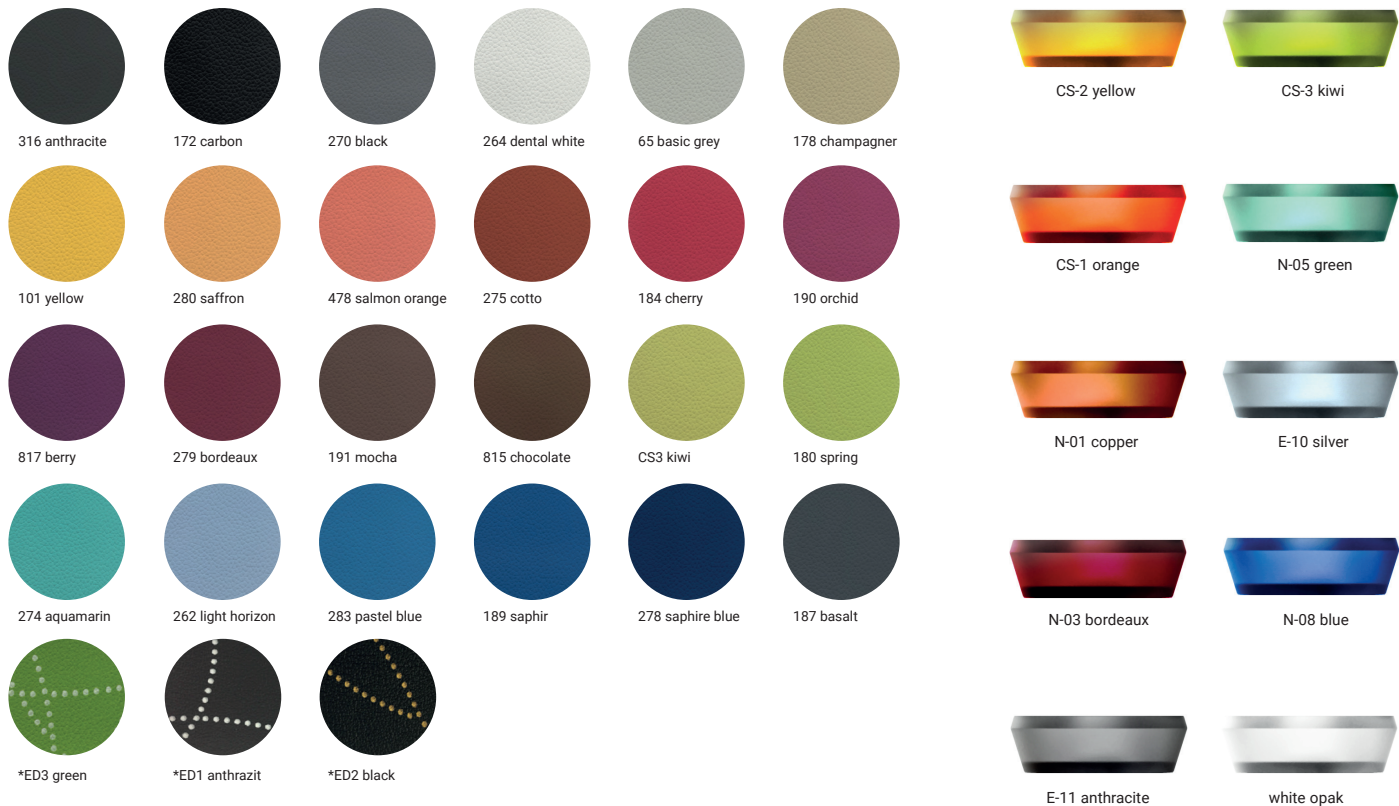
All glass elements of the Ritter R400 Smart can be individually decorated with an attractive selection of patterns or personal motifs. Ask your dental consultant about the Ritter decors and the production specifications for your motif or practice logo.

You can choose any motif, get inspired on the different stock photo platforms, e.g. at www.fotolia.com



Ritter R400 Smart.

Individuality through variety.



The Ritter upholstery colours.

- 27 upholstery colours give your practice an unique look
- Other colours are available on request

The cover fabrics of our treatment units are supplied as standard with breathable Ritter comfort fabric. The silky-soft feel and matt appearance convey cleanliness and freshness - without a „sticking feeling“.

The patterns shown may differ in colour and structure.
* not available in ViscoSoft

The Ritter glass colours variety.

All glass elements such as the spittoon bowl, the glass plate of the water unit and the control panel of the dentist element are available in these glass colours as standard. The spittoon bowl is also available in frosted glass optics.

Attention: when selecting coloured spittoons, minor material irregularities in the glass may occur due to production!



Ritter R400 Smart. Features and Options.



Standard



Option



Not available

Patient chair

Trendelenburg movement	●
Storage of positions	●
Safety switch	●
Articulated headrest mechanically	—
Double articulated headrest mechanically	●
Left armrest	●
Right armrest, swiveling	○
Seamless upholstery	●
ViscoSoft upholstery set	○
Multifunctional foot controller	●
External device connection	—

Dentist element

3-Functional syringe standard	●
1. Turbine outlet F.O.	●
2. Turbine outlet F.O.	○
1. Motor brushless	○
2. Motor brushless	○
S oder E scaler LED	○
Control panel made of glass	●
Instrument spray heating	○
Small X-Ray film viewer	●
Place for 2 standard trays	●
Manual brake for arm system	●

Assistant element

Operating panel	●
Extendable assistant element	○
3-Functional syringe	○
Spray mist suction	●
Saliva ejector	●
LED curing light	○
Selective holder	○

Water unit

Glass bowl	●
ABS aqua bottle system	●
Water disinfection system Metasys	○
Cup heating	○
Dürr bowl rinse valve for wet suctions	○
Amalgam sep. Compact Dynamic Metasys	○
Amalgam sep. CAS1 Dürr	○
Automatic separation system MSTI	○
Automatic separation CS1 Dürr	○
Double tray support *	○

Operating light

LED CoolLite	●
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Stools

GIRA-FLEX A (with backrest/foot ring)	○
GIRA-FLEX D (with backrest/foot ring)	○

Multimedia

Monitor preparation	○
Intra-oral camera	○

* only with „S“ Version





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Ritter Concept GmbH
Freiburger Str. 45
88400 Biberach
Germany

Fon +49 (0) 7351 / 52 925-10
Fax +49 (0) 7351 / 52 925-11

sales@ritterconcept.com
www.ritterconcept.com

Your dental dealer:

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